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The **AMERICAN**
 U. S. Department of Agriculture
FANCIER AND BREEDER

Vol. 21.

De Kalb, Illinois, October, 1904.

No. 10.





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The American FANCIER and BREEDER.

A MONTHLY MAGAZINE DEVOTED TO POULTRY CULTURE.

Vol. 21.

DEKALB, ILLINOIS, OCTOBER, 1904.

No. 10



Head of a 95 point Barred Rock Cockerel.

ENTRIES FOR THE POULTRY SHOW OF THE UNNIVERSAL EXPOSITION.

Started late and came very slowly until near the time for closing, then they came in such numbers as to overwhelm the classical force and make it impossible to record them in the order of their arrival. Many entries are yet unclassified, but enough is known to announce that this will be the greatest collection of poultry and pigeons the world has ever seen. The time for closing pigeon entries has been extended to September 25th, but many entries of pigeons are already here and more are arriving daily from all over the country, also entries of some foreign birds.

Of Chickens, Turkeys, Geese and Ducks, more than seven thousand have been recorded as entered and the coop fees paid in, and the list now ready ahead of the entry clerks warrant the announcement that the number of these, exclusive of the pigeons, will considerably exceed eight thousand.

So far as entries have been booked forty-one states, territories and foreign countries are represented. Missouri leads in the number of entries with nearly one thousand bird Canada, Illinois and New York following in the order named, and all three competing closely for second place.

Ohio, Indiana, Wisconsin and Pennsylvania constitute the next groups of competitors, and they are closely bunched New Jersey, Iowa, Massachusetts, California, Michigan, Nebraska, North Carolina and Connecticut follow closely in the order named and the size of their entries may be estimated by the fact that each of these eight states has paid in from \$100 00 to \$200 00 in coop fees.

Kansas, Arkansas, Kentucky, Minnesota, Texas, and Georgia constitute the next group of close competitors New Hampshire, Rhode Island, Tennessee, Alabama, Indian Territory, Louisiana, West Virginia, Maryland, Oklahoma, Mississippi, Maine, Oregon, South Carolina and Colorado, each make good entries, in order named as to number.

Unclassified entries are still before the entry clerks and it is hoped that among them may be found entries from Vermont, Delaware, Virginia, Florida, the Dakotas, Washington, Montana, Nevada, Utah, Arizona and New Mexico. This would complete our list of states, but let it be remembered that this is a World's Fair Show, that birds are entered direct from several foreign countries, and that numerous importations have been made to show here.

It is a source of much satisfaction to this Department to note that this will be emphatically a show of practical and useful varieties. It is regretted that there are not still larger entries in some of the fancier varieties of game, polish, turkeys geese and ducks.

Some of the lower prizes in these may not be claimed; a condition that may be attributed to the apathy of the fanciers and specialty clubs of those varieties. But the progressive fanciers in these lines who are entering birds from remote points will simply win their larger prizes the easier.

The entries in the leading varieties are simply astounding and the poultry public will have an opportunity here to study these useful and beautiful varieties on a scale never before seen in the battle of the Breeds which will be waged here in October and November; there will be more than sixteen hundred Wyandottes; more than thirteen hundred Plymouth Rocks and more than one thousand Leghorn. Beside these three classes, there will be more than eight hundred Asiatics and enough Orpingtons, Minorcas; Rhode Island Reds to make the show of the American Mediterranean; Asiatic and English classes alone exceed six thousand birds.

In the variety contests the White Wyandottes are far in the lead, Buff Plymouth Rocks, White Plymouth Rocks: Single Comb White Leghorns: Barred Plymouth Rocks Single Comb Brown Leghorns, Silver Wyandottes. Light Bramas; Buff Wyandottes: Single Comb Black Minorcas: Single Comb Buff Orpingtons: Golden Wyandottes: Partridge Wyandotte: Single Comb Buff Leghorns: Rose Comb White Leghorns and Buff Cochins,

following in the order named: these sixteen varieties entering from one hundred to eight hundred birds each.

The Wyandottes come from twenty-nine different states ranging from New Hampshire to Texas: end some from across the seas.

The Plymouth Rocks are from twenty-four states: from Massachusetts to California from Canada to Texas. The Leghorns are from twenty four states the North and South East and West being all represented. California makes a large entry of Leghorns.

The Rhode Island Reds are no longer limited to the state of their origin; they are entered from twelve different states. In Bronze Turkeys eight different states are in competition. In Pekin Ducks seven; and in Toulouse Geese six.

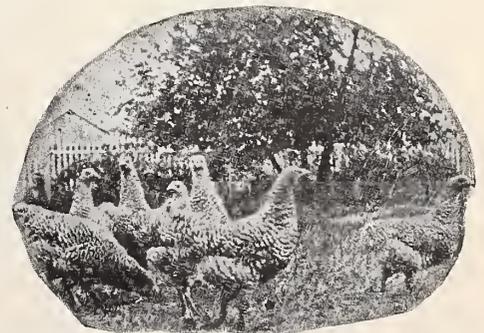
Now let all who have entered remember that it will be well worth their trouble and expense to have their birds here and catalogued even though they do not win a prize.

The Cooping Committee announce that they have arranged for a supply of new coops and that they will be able to furnish the best of service and care to all exhibitors.

Very Truly yours,
Charles F. Mills,

Chief of Department of Live Stock.

There is such a thing as having a poultry yard to bare. Nothing is more pitiful than to see a flock of chickens standing in a yard with their mouths open and wings uplifted; and the sun bailing down upon them; from which there is no escape. If there are no shade trees in yard then make shade sheds for the birds. This can be done very cheaply. We have taken blocks and put rails from one to another and upon these we have placed bushes cut from a thicket. This may not be the best plan but it is far better than no shade.



Some "BLUE BIRD PULLETS." A snap shot in a corner on American Poultry Farm DeKalb, Ill.

Rations for Lavers.

The approach of winter calls for a few thoughts regarding the proper food our fowls will need for egg production, says M. K. Boyer in American poultry Journal. Hundreds of methods are advanced, and the majority of them have merit. There several well balanced commercial foods upon the market but are excellent, but it is not always convenient to secure these; therefore we can recommend the following bill of fare;

Buy twenty five pounds each of bran middlings, cornmeal and ground oats; also fifteen pounds of meat scraps or ground meat and five pounds of oilmeal. Mix all thoroughly and place in a barrel for use. If your flocks eat some bucketful of mash at a meal let half of that be cooked clover hay and the other half ground feed, as above. mix grain and hay thoroughly while hot. Feed for breakfast warm.

Now for caution; Do not feed all the fowls can eat for breakfast. Give them just enough

er seed, barley and buckwheat when we can get them. Grit and cracked oyster shell are constantly within reach.

After fully twenty years experimenting we have found the above bill of fare excellent for laying stock.

Green food is scarce during winter, and therefore cut clover hay comes in as an excellent substitute. Cooked vegetables are also good so long as they are not fed to excess. They are generally of fattening nature and also cause considerable bowel trouble. It is better to cut up the vegetables to the size of corn and feed raw. Poultry Item.

Poultry For The Boys

Quite a common complaint heard nowadays is that the boys brought on the farm become dissatisfied and uneasy when they get in their teens and want to try their hand in some pursuit other than farming.

We must not forget that the young boy on the farm if he is a good one is ambitious,

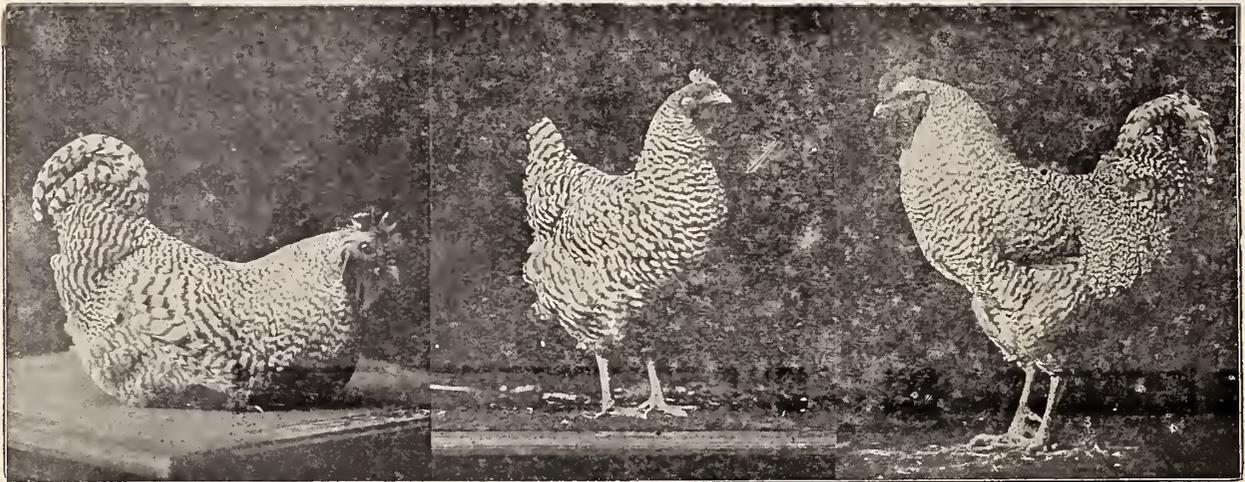
Green Food for Winter.

The aim in feeding poultry in the winter is to give variety and come as near to meeting summer conditions as possible. Therefore, providing of green food of some sort for winter feed should not be overlooked.

Right now is a good time to look after this matter. Roots, such as turnips, mangolds and sugar beets, can be fed to advantage in winter provided that the poultry quarters are not too cold. Cut them in halves and place them on spikes or nails driven into the walls so as to be in easy reach of the fowls.

The poultry will pick out the meat of the beet with a relish. Another source of green food is cabbage. They should, however be fed sparingly because of the danger of diarrhoea. Cabbages intended for feed may be stored in root cellars or, where the winters are not too severe; in trenches cut of doors and covered with dirt and leaves.

Vegetables such potatoes can be cooked



From the yards of J. W. D. Hall, Des Moines, Iowa.

to partially satisfy them; otherwise they will not exercise until they again become hungry. We make it a half meal—that is half the quantity we would were it a night feed.

We prefer a morning mash to that given at night for several reasons:

First.—The food is in such a condition that it is quickly assimilated and therefore will do the most good.

Second.—It being soft food, it quickly digests and thus, when fed at night, leaves the fowls crop empty before morning, causing more or less suffering from cold, which is full of grain. We have tried the different methods and found this to be superior.

About noon we throw a "half-feed" of wheat or hulled oats among a lot of litter in the scratching shed for five days in the week and on the remaining two days we give green cut bone.

At night we give all the grain they will eat up clean. We use a mixture equal parts of wheat and cracked corn and add sunflower

and we all realize that ambition precedes success; he is apt to become discontent unless he be given something to interest him. One of the ways out is to give him a chance to raise poultry and have the proceeds for his own use. Perhaps a partnership can be formed between father and son. He will not only feel that he is getting a start but will learn much that will tend to keep him on the farm.

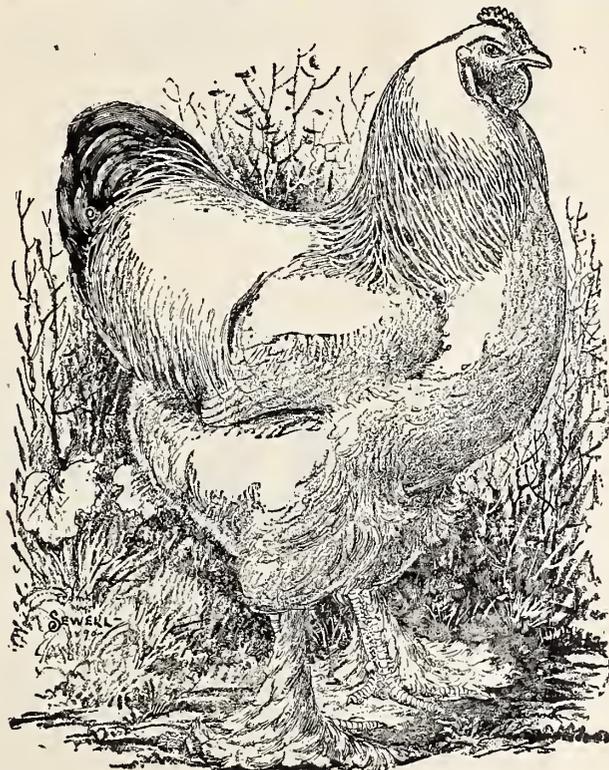
The care and handling of poultry by the boy is a good place to try him and see whether or not he is fitted for farm life. If no adaptability for the work is shown, he may be better fitted for another pursuit; for all boys reared on the farm cannot be expected to remain there. However, it must not be forgotten that many a good farmer has been spoiled by taking up a trade or profession.

Give the boys a chance and, as intimated above, one of the ways out of it is through his raising poultry and sharing in the profits.

and fed to an advantage. On many farms there are often quantities of small potatoes that are wasted every year, that might as well have been fed to the poultry during the winter months. Bright clover and alfalfa hay chopped up and placed in scratching pens are great helps in winter feeding. Rape and kale sowed in early fall can be used as a food in early winter. The neglect to give a proper amount of green food or substitute to poultry in confinement causes much sickness in the early spring.

Feeding the Layers.

The laying hens in the Australian contest had cracked corn for supper nearly every day occasionally varied by wheat, but they had rape when not on grass, pure water and ground shells were always before them, two ounces of raw chopped liver, a hen were fed twice a week, and their morning mash of bran and middlings are often mixed with liver soup, all of which shows that the skilled feeder can use considerable cheap corn. Poultry Item



LIGHT BRAHMA COCKEREL.

Some Good Whitewash for Poultry House.

Readers of these columns have frequently had impressed upon them the great advisability of regularly whitewashing their poultry houses; and not merely the houses themselves; but the coops, fences, roosts, and every other like structure to which the birds resort. There are many reasons why whitewashing in this way at least twice a year, is advisable as not only does it add materially to the brightness and attractiveness of the fowl's abode, but it also acts as a very effective disease preventive and promoter of good health among the birds. White because of the great brilliancy forms a striking contrast to the green foliage which generally surrounds the farm, but some people consider it too glaring and hard on the eye. This however can be obviated without much difficulty by the employment of, if the paradox be excused, a colored whitewash, in other words by addition of some coloring matter to the wash.

Several recipes for making these washes for poultry houses are employed in different parts and for preparations that will last for some time queries frequently reach us. The following which have been tried by a correspondent are worth publishing. It is stated that they will not rub off as does the ordinary lime and water mixture:

1. Slake in boiling water one-half bushel of lime keeping it just fairly covered with water during the process. Strain it to remove the sediment that will fall to the bottom, and add to it a peck of salt dissolved in warm water; 3 lbs of ground rice boiled in water to a thick paste ½ lb. powder Spanish whiting and one lb of clear glue dissolved in

warm water. Mix the different ingredients thoroughly, and let the mixture stand for several days. When ready for use apply it hot. If a less quantity is desired use in the same proportions.

2. A good whitewash for use on outside work may be prepared as follow. Slake in boiling water one-half bushel of lime, and strain as before. Add to this 2 lbs of sulphate of zinc and 1 lb of salt dissolved in water. If any color but white is desired, add about 3 lbs. of the coloring matter desired such as painters use in preparing paints. Yellow ocre will make a beautiful cream color, and browns, reds, and various shades of green are equally easily obtained.

2. Another excellent wash, lasting almost as long as the ordinary paint, may be prepared for outside work as follows:

Slake in boiling water one-half bushel of lime. Strain so as to remove all sediment. Add 2 lbs. of sulphate of zinc, 1 lb. common salt one-half lb. whiting, thoroughly dissolved. Mix to proper consistency with skimmed milk, and apply hot. If white is not desired, add enough coloring matter to produce the shade desired. Those who have tried this recipe consider it much superior, both in appearance and durability, to ordinary washes and some have not hesitated to declare that it compares very favorably with good lead paints. It is much cheaper than paint and gives the houses and yards to which it is applied a very attractive appearance.—Farmer's Gazette.

Now is the time to clean the floor of the poultry house, and put in clean straw or something similar for litter.

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DE KALB, ILL., OCTOBER, 1904.

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Competent judges for dogs and cats will be announced in the dog and cat premium list.

The entry fees for poultry, hares and cats will be \$1 per specimen. Pigeons fifty cents per specimen. The usual liberal prizes will be given. A large list of specials are provided. For this and other information see premium list.

Coops, feed and care are furnished free. The specimens will be cooped separately.

In the poultry department all the exhibits of each exhibitor will be in adjoining coops in each variety. President Eddy is superintendent of poultry and K. J. Muir is superintendent of pigeons. Although the Chicago Coliseum, the largest auditorium in America, will be the exhibition hall, from present indications it is believed it will not accommodate all the exhibits offered. The management have therefore decided to re-

served the right to refuse entries and return entry fees when those received equals the capacity of the hall. Many of the best incubator, brooder and poultry supply concern will have exhibits. The premium list contains all necessary information for exhibitors. The can be obtained of the secretary, Fred L. Kimmey, room 500, 325 Dearborn street, Chicago.

150,000 increase.

The publisher of the Woman's Home Companion, the brightest and best of all home magazines, announce that the demand for the January number will far exceed half a million copies, which is an increase of 150,000 copies in the short space of a few months only. The December number was completely sold out by the fifth day of December.

The January issue will be a great holiday number, with royally beautiful illustration. It will contain the best of short stories, fictions and fascinating socials, the latest fashions, wonderful special aricial articials, children's pages, Mrs. Sangster's talks, photographic contests, cash prizes in plenty, puzzles, wit and humor, etc. etc, the brightness, most entertaining and helpful home and family magazine in the world for American homes. Ten cents a copy at all newsdealers, or direct from the publisher at Springfield, Ohio. Subscription price \$1.00 a year.

It has been demonstrated that chickens can be taught to come off the perches at night and eat by lamp light. At first they have to be traided carefully and patiently, but after a time they will readily come forward and peck at the food and devour it quite greedily. This policy has been persued by private individuals and found successful. It has been found that growing chickens fed a five o'clock in the afternoon can be induced to eat again at 10 o'clock p. m. and again at 5 o'clock the following morning which is some time before day light. These experiments are valuable for those who wish to hasten the development of the younger stock for fall fairs, the winter shows or the market, but it is doubtful whether it will become generally popular on account of the distaste people have for getting up in the night to feed the chickens. Inland Poultry Journal.

When the fowls are over fed any length of time the results are droopy, listless stock that stand about in a stupid manner with no activity or desire to scratch and forage for themselves. Whether confined or given a free range, fowls must in some way be compelled to take exercise if the best of health is maintained.

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- 756277 Incubator. Edgar W. Philo, Salem, New York.
- 756765 Automatic Feeding Device and Fixtures. Zachariah Xevers, Santa Cruz, Cal.
- 756907 Seeder for Poultry Yards, Wm. H. Strathman, Chicago, Ill.
- 756990 Incubator and Brooder. Edward T. Tolhurst, London, and Wm. Wilson, London Township, Canada.
- 761676 Stock Rack, Martin F. Holbrook, Otto, N. Y.
- 762371. Incubator, Cyrus W. Zimmer, Ft Wayne, Ind.
- 767493 Thermometer for Incubators, August Neubeck, New York, N. Y.
- 769797 Hen's Nest, Claus W. Glardt, Bennington, Neb.
- 770124 Heater for Incubators, George R. Smith, Latrobe, Pa.
- 770629 Protector for Eggs Brooding Purposes, Winifred A. DeJannatt, Andrian Co., Mo.
- 770355 Brooder, George Hacker, St. Louis Missouri.
- 770366 System of Heating and Ventilation for Brooders, Geo. Hacker, St. Louis, Mo.
- 771724 Crate, Adelbert L. Ford, Prescott, Kansas.
- 771707 Incubator, Joseph Burger, Winfield, Kans.
- 772121 Automatic Poultry Feeder. John Anderson, Slocumville, R. I.
- 772866 Incubator or Brooder and Heat-Controlling Device Therefor. Harry A. Brooks, Los Angeles, California.
- 773660 Brooder. John Malmgren, Ceresko Nebraska.
- 774070 Incubator, Chas. E. & George W. Goss, Edith, Texas.
- 774076 Incubator. Wm. H. Hughes, New York, N. Y.

The business farmer realize the importance of feeding his stock regularly. It is just as important to feed the laying hens with the same regularity.

Make the fat hens work off some of the surplus by digging and hunting in the straw for their food. This is fine exercise for the biddies on a cold morning, as it warms the blood and invigorates the system.

Eggs in goodly number can not be expected if the water supply is short. Eggs are largely composed of water. Think of this when you see the hens drinking tainted water in the barnyard.

Take the roosts out of the hen house once a month, cover them with kerosene and set them afire, the oil burns off, killing the lice and germs, but does not injure the wood; after seeing all the fire is out replace the roost and again cover with kerosene.

Very often in winter, fowls, especially high comb ones, are bitten by the frosts and the appearance of their wattles and combs is spoiled. Bath freely with turpentine. Before they are attacked with frost, rub sweet oil on their combs and wattles.

In selling geese it is best to keep the old ones and sell the young ones, for while the older will produce the strongest progeny, the younger will bring the best price. Pen up and feed liberally with a good ration for two weeks before marketing so as to have in a fat, plump condition.

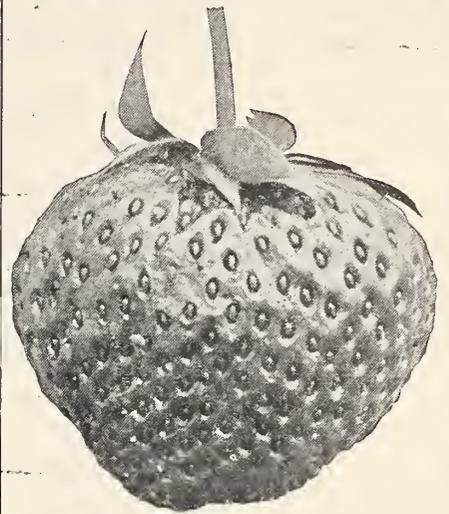
Not much gravel is required for a large number of fowls. During the fall a nail keg can be filled with gravel and placed in a shed somewhere and this will be enough to last a hundred fowls all winter. It can be scraped up from the roadside in fifteen minutes.

The bantam is thought generally as a paly fowl, but it quite a nice bird after all, and is well suited to the suburban resident. They are pretty, and very tasty for table use, even though small; besides, they are excellent winter layers.

When dressing turkeys for market always dry pick. Do not tear nor break the skin. The dry-picked lot look better and sell more readily than those that have been scalded. Full crops spoil the appearance and sometimes sour. No fowl should be fed for twenty-four hours before killing.

It is not very pleasant wading through slush and snow, carrying grain to the fowls. Would it not be lots nicer and handier to have a small apartment in poultry house fitted for storing the grain and other things necessary in the winter care of poultry? We put hay and grain in the barn stock; why not store grain and other supplies in the poultry house for the use of the poultry, and thus save ourselves much untess work, and benefit the fowls.—Fannie M. Wood in Farm Journal.

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Antipathy of Hens to a Certain male Bird.

We frequently come across cases where a cock takes a dislike to a certain hen, and others where he selects one favorite and neglects the remainder of the flock, but it is at all events as far as our experience goes an unusual coincidence for an entire pen of hens to absolutely refuse the attention of the male selected for them. Such an instance, however, has been recorded. A well known Wyandotte fancier put up a pen of eight hens and a cock early in the season only to find that every egg was clear. At first he blamed the male bird, and replaced him with another, in this instance watching very carefully to see how matters progressed. He soon found that every hen absolutely refused his attention, and although every egg was put down for incubation, results proved that he was right in his conjecture, not a fertile egg was forthcoming. After a lapse of some weeks he again bred No. 1, male, but the results were the same. As a last resource he borrowed a third cockerel as a trial. The hens took kindly to him at once, and in two weeks every egg was proving fertile, thus conclusively proving that in the case of the two first cocks the hens had for some unexplained reason taken such a dislike to them that their attentions were absolutely refused.

Have any of our readers ever heard of a similar experience?—Farm and Poultry World.

Light and Eggs

Light influences the laying on the part of the hens. Put a flock in a dimly lighted poultry house, and no matter how comfortable it may be, fowls will cluster together in some corner outside and brave all the storm that may come, in preference to remaining in a dark and cheerless abode. Chicks also prefer light, and will remain outside of the brooder and become chilled rather than go under the cover where it is warm but dark. All birds have an instinctive dread of darkness. As soon as the sun begins to set they seek a safe retreat before darkness comes, and bright and early in the morning they go where it is light. They seem to attribute danger from their own natural enemies associated with darkness and they detest darkness because they cannot see clearly unless they have plenty of light. The poultry house, therefore, should have large windows. We know that there are those who affirm that too much glass radiates the heat, but it also admits heat and light as well as rendering the interior of the house cheerful and inviting. As the hens will be more contented they will also be more thrifty, have better appetites, be less liable to diseases, and will produce more eggs during the winter.

A good place to find the finest quality of grit for poultry is where a stone crusher is being operated. Particles of stone as small as a pinhead can be had in abundance for the taking away.

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Green Bone as a Poultry Food.

As a poultry food, green bone is commanding more attention annually than any other article of diet. The green bone cutter is important on a well regulated poultry farm as the separator is in dairy. In its green state, bone contains meat, blood, gristle oil and material matter in soluble condition—or collectively, carbon, nitrogen and lime, all of which are required for both egg production and growth of young.

For about eight years I have carefully experimented with the diet, and during that time gained some facts that are well worth noting, especially by the beginner. In the first place I found that it must be judiciously fed. Given every day is liable to produce worms in the fowls. Given two or three times a week does more good, and there are no evil results. It must not be over-fed at one meal. An ounce, per head, was found to be about the proper allowance. I feed it in troughs, and always at noon.

Not only is green bone a valuable egg food, but it is a most wonderful tonic, and where it is carefully given, the eggs are more fertile and the germ stronger. In one of my experiments with two pens of Light Brahma pullets, one of which was given green bone, and the other no meat at all, excepting about 10 per cent commercial meat scraps in the morning mash, the green bone flock gave a high percentage of fertility, reach 90 per cent while the other flock never averaged 60 per cent.

I also found that feeding bone had a tendency to prevent feather pulling. In two somewhat crowded pens of a White Wyandott chicks, one which received green bone and the other merely meat scraps I discovered that the green bone lot never got into the vice, while the other lot quickly contracted the habit, and did a great deal of damage. It was plain that their appetite craved for something which the bone supplied. In growing chicks I had excellent results when fed the finest particles of the bone. The youngsters grew very rapidly, soon outclassing a neighboring lot hot fed in that manner.

Analysis show that the value of green bone lies in its well proportioned and numerous constituents, which are just what is needed by the hens to produce eggs. It gives lime for the shell mineral matter for the yolk, and albumen for the white. Consequently, it is practically a complete food but somewhat concentrated, would be somewhat harmful as an exclusion food. During the time I fed green bone to growing chicks, I did not have a single case of leg weakness, which trouble is so common where there is a lack of mineral matter in the bones of a chicks. Bone-fed chicks are model of strength, health and vigor, as they have a substitute equal to bugs or worms. Green bone should be fed fresh the day it is cut. Never feed it if it is tainted. Also make it a rule to thoroughly wash and clean the cutter as soon as the work is done.



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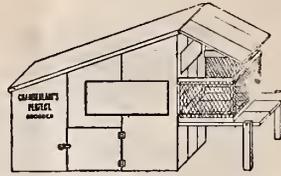


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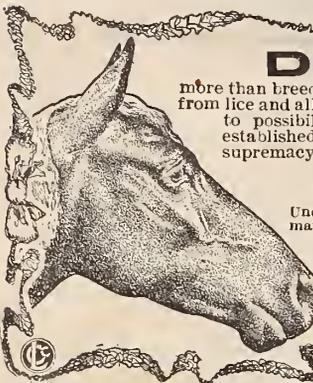
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